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(54) DEVICE FOR ELIMINATING ISOLATED POINT

(57)Abstract:

PURPOSE: To discriminate and eliminate an isolated point being a very pulsive error from a digital signal with high correlation by forming a block from several samples representing a detected feature, applying normalizing processing to a signal in the block with respect to a direction of the level and discriminating an isolated point from an output of a normalizing processing means binarizing the feature.

CONSTITUTION: The device is provided with a quadratic differential processing circuit 12 applying quadratic differential to a characteristic of picture data X via a video memory 11 to detect the result and a normalizing processing circuit 13 forming a block from several samples of an output of the quadratic differential processing circuit 12, normalizing the picture data in the block with respect to the direction of the level of the data so as to binarize the characteristic. An

isolated point discrimination processing circuit 14 discriminates an isolated point from the binarized output of the normalizing processing circuit 13. A median filter processing circuit 15 applies median filter processing to picture data discriminated to be the isolated point by the circuit 14 to provide an output of picture data (y).

